

**IN THE CLAIMS**

1 (Original). A method comprising:

optically isolating a radio frequency component from a lower frequency component of a transceiver.

2 (Original). The method of claim 1 including optically isolating a radio frequency power amplifier.

3 (Original). The method of claim 1 including optically isolating a low noise amplifier.

4 (Original). The method of claim 1 further including optically isolating frequency conversion stages.

5 (Original). The method of claim 1 including linking the radio frequency component and lower frequency component with an optical waveguide.

6 (Original). The method of claim 1 including converting a radio frequency signal to an optical signal using a laser.

7 (Original). The method of claim 1 including optically isolating the radio frequency component from a baseband component.

8 (Original). The method of claim 1 including optically isolating the radio frequency component from an intermediate frequency component.

9 (Original). A wireless device comprising:

a radio frequency component;

a lower frequency component to operate at a frequency lower than radio frequency;  
and

an optical link to link said components.

10 (Original). The device of claim 9 wherein said radio frequency component is a power amplifier.

11 (Original). The device of claim 9 wherein said radio frequency component is a low noise amplifier.

12 (Original). The device of claim 9 including a receiver.

13 (Original). The device of claim 9 including a transmitter.

14 (Original). The device of claim 9 including two frequency conversion stages and an optical isolator between said stages.

15 (Original). The device of claim 9 wherein said lower frequency component is a baseband component.

16 (Original). The device of claim 9 wherein said lower frequency component is an intermediate frequency component.

17 (Original). A system comprising:

- a controller;
- a radio frequency component;
- a lower frequency component;
- an optical link to link said components; and
- a wireless interface coupled to said radio frequency component.

18 (Original). The system of claim 17 wherein said radio frequency component is a power amplifier.

19 (Original). The system of claim 17 wherein said radio frequency component is a low noise amplifier.

20 (Original). The system of claim 17 further including two frequency conversion stages and an optical isolator between said stages.

21 (Original). The system of claim 17 including a receiver.

22 (Original). The system of claim 17 including a transmitter.

23 (Original). The system of claim 17 wherein said lower frequency component is a baseband component.

24 (Original). The system of claim 17 wherein said lower frequency component is an intermediate frequency component.

25 (Original). The system of claim 17 wherein said wireless interface is a dipole antenna.